

1/29/96

(Attachment to Paper #5)

FORM PTO-1449 (Modified)			Attorney Docket No. 11823-002630US		Serial No.: 08/484,537	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicant: CARY L. QUEEN et al.			
			Filing Date: 06/07/95		Group: 1806	
Reference Designation			U.S. PATENT DOCUMENTS			
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
AA	4,578,335	03/25/86	Urdal et al.	530	351	
AB	4,816,565	03/28/89	Honjo et al.	435	69.1	
AC	4,816,397	03/28/89	Boss et al.			
AD	4,816,567	03/28/89	Cabilly et al.			
AE	4,845,198	07/04/89	Urdal et al.	530	387	05/21/84
AF	4,867,973	09/19/89	Goers et al.			09/13/84
AG	5,198,359	03/30/93	Taniguchi et al.	612N15	63	
AH	5,225,539	07/06/90	Winter			
FOREIGN PATENTS						
	Document No.	Date	Country	Class	Sub-class	Translation (yes/no)
AI	0,171,496	02/19/86	EPO			
AJ	0,173,494	03/05/86	EPO			
AK	0,184,187	06/11/86	EPO			
AL	WO 86/05513	09/25/86	PCT			
AM	WO 87/02671	05/07/87	PCT			
AN	0,256,654	07/07/87	EPO			
AO	0,239,400	09/30/87	EPO			
AP	2,188,941	10/14/87	GB			
AQ	0,266,663	06/11/88	EPO			
AR	WO 89/01783	03/09/89	PCT			
AS						
EXAMINER Julie Kears DATE CONSIDERED 29 Oct 97						

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		Filing Date: 06/07/95	Group: 1806
OTHER ARTS AND REFINEMENTS (Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/> RAT	Better et al. "Escherichia coli Secretion of an Active Chimeric Antibody Fragment," <u>Science</u> , 240:1041-1043 (1988)		
<input type="checkbox"/> AU	Bird et al., "Single-Chain Antigen-Binding Proteins," <u>Science</u> , 242:423-426 (1988)		
<input type="checkbox"/> AV	Boulianne et al., "Production of functional chimeric mouse/human antibody," <u>Nature</u> , 312:643-646 (1984)		
<input type="checkbox"/> AW	Carter et al., "Humanization of an anti-p185 ^{HER2} antibody for human cancer therapy," <u>Proc. Natl. Acad. Sci.</u> , 89:4285-4289 (1992)		
<input type="checkbox"/> AX	Chothia, C. and A.M. Lesk, "Canonical Structures for the Hypervariable Regions of Immunoglobulins," <u>J. Mol. Biol.</u> , 196:901-917 (1987)		
<input type="checkbox"/> AY	Co et al., "Humanized antibodies for antiviral therapy," <u>Proc. Natl. Acad. Sci.</u> , 88:2869-2873 (1991)		
<input type="checkbox"/> AZ	Co et al., "Chimeric and humanized antibodies with specificity for the CD33 antigen," <u>J. Immunol.</u> , 148:1149-1154 (1992)		
<input type="checkbox"/> BA	Daugherty et al., "Polymerase chain reaction facilitates the cloning, CDR-grafting, and rapid expansion of a murine monoclonal antibody directed against the CD18 component of leukocyte integrins," <u>Nuc. Acids. Res.</u> , 19:2471-2476 (1991)		
<input type="checkbox"/> BB	Ellison et al., "The nucleotide sequence of a human immunoglobulin c(gamma), gene," <u>Nucleic Acids Res.</u> , 10:4071- (1982)		
<input type="checkbox"/> BC	Farrar, J., "The biochemistry, biology, and the role of interleukin-2 in the induction of cytotoxic T cell and antibody-forming B cell receptors," <u>Immunol. Rev.</u> , 63:129-166 (1982)		
<input type="checkbox"/> BD	Foote et al., "Antibody framework residues affecting the conformation of hypervariable loops," <u>J. Mol. Biol.</u> , 224:487-499 (1992)		
<input type="checkbox"/> BE	Gorman et al., "Reshaping a therapeutic CD4 antibody," <u>Proc. Natl. Acad. Sci.</u> , 88:4181-4185 (1991)		
<input type="checkbox"/> BF	Greene et al., "Growth of Human T Lymphocytes: An Analysis of Interleukin 2 and its Cellular receptor," <u>Progress in Hematology XIV</u> , E. Brown, ed., Grune and Statton, New York, pp. 283-301 (1986)		
<input type="checkbox"/> BG	Hale et al., "Remission Induction in Non-Hodgkin Lymphoma with Reshaped Human Monoclonal Antibody CAMPATH-1H," <u>Lancet</u> , December 17, 1988, pp. 1394-1399		
<input type="checkbox"/> BH	Hieter et al., "Cloned Human and Mouse Kappa Immunoglobulin Constant and J. Region Genes Conserve Homology in Functional Segments," <u>Cell</u> , 22:197-207 (1980)		
<input type="checkbox"/> BI	Huston et al., "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli," <u>Proc. Nat. Acad. Sci. USA</u> , 85:5879-5883 (1988), <u>Progress in Hematology XIV</u> , E. Brown, ed., Grune and Statton, New York, p. 283, (1986)		
<input checked="" type="checkbox"/> BJ	Jones et al., "Replacing the complementarity-determining regions in a human antibody with those from a mouse," <u>Nature</u> , 321:522-525 (1986)		
EXAMINER <u>Julie C. Rees, PhD</u> DATE CONSIDERED <u>27 Oct 97</u>			

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		Filing Date: 06/07/95	Group: 1806
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/> BK	Junghans et al., <u>Cancer Res.</u> , 50:1495-1502 (1990)		
<input type="checkbox"/> BL	Kettleborough et al., "Humanization of a mouse monoclonal antibody by CDR-grafting: the importance of framework residues on loop conformation," <u>Protein Eng.</u> , 4:773-783 (1991)		
<input type="checkbox"/> BM	Kirkman et al., <u>J. Exp. Med.</u> , 162:358 (1985)		
<input type="checkbox"/> BN	Kupiec-Weglinski et al., <u>Proc. Natl. Acad. Sci.</u> , 3:2624 (1986)		
<input type="checkbox"/> BO	Leonard et al., "The human receptor for T-cell growth factor," <u>J. Biol. Chem.</u> , 260:1872-1880 (1985)		
<input type="checkbox"/> BP	Liu et al., "Expression of mouse::human immunoglobulin heavy-chain cDNA in lymphoid cells," <u>Gene</u> , 54:33-40 (1987)		
<input type="checkbox"/> BQ	Maeda et al., "Construction of reshaped human antibodies with HIV-neutralizing activity," <u>Hum. Antibod. Hybrid.</u> , 2:124-134 (1991)		
<input type="checkbox"/> BR	Morrison et al., "Chimeric human antibody molecules: Mouse antigen binding-domains with human constant region domains," <u>Proc. Natl. Acad. Sci.</u> , 81:6851-6859 (1984)		
<input type="checkbox"/> BS	Morrison, S.L., "Transfectomas Provide Novel Chimeric Antibodies," <u>Science</u> , 229:1202-1207 (1985)		
<input type="checkbox"/> BT	Neuberger et al., "A hapten-specific chimeric IgE antibody with human physiological effector function," <u>Nature</u> , 314:268-270 (1985)		
<input type="checkbox"/> BU	Queen et al., "A humanized antibody that binds to the interleukin 2 receptor," <u>Proc. Natl. Acad. Sci.</u> , 86:10029-10033 (1989)		
<input type="checkbox"/> BV	Riechmann et al., "Reshaping human antibodies for therapy," <u>Nature</u> , 332:323-327 (1988)		
<input type="checkbox"/> BW	Routledge et al., "A humanized monovalent CD3 antibody which can activate homologous complement," <u>Eur. J. Immunol.</u> , 21:2717-2725 (1991)		
<input type="checkbox"/> BX	Sahagan et al., "A Genetically Engineered Murine/Human Chimeric Antibody Retains Specificity for Human Tumor-Associated Antigen," <u>J. Immunol.</u> , 137:1066-1074 (1986)		
<input type="checkbox"/> BY	Shalaby et al., "Development of humanized bispecific antibodies reactive with cytotoxic lymphocytes and tumor cells overexpressing the HER2 protooncogene," <u>J. Exp. Med.</u> , 175:217-225 (1992)		
<input type="checkbox"/> BZ	Sharon et al., "Expression of a V _H C _K chimaeric protein in mouse myeloma cells," <u>Nature</u> , 309:364-367 (1984)		
<input type="checkbox"/> CA	Shearman et al., "Construction, expression and characterization of humanized antibodies directed against the human α/β T cell receptor," <u>J. Immunol.</u> , 147:4366-4373 (1991)		
<input checked="" type="checkbox"/> CB	Takeda et al., "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences," <u>Nature</u> , 314:452-454 (1985)		
EXAMINER	Julie (Kurz, PLD) DATE CONSIDERED 27 Oct 97		

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		Filing Date: 06/07/95	Group: 1806
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/> CC	Tan et al., "A Human-Mouse Chimeric Immunoglobulin Gene with a Human Variable Region is Expressed in Mouse Myeloma Cells," <u>J. Immunol.</u> , 135:3564-3567 (1985)		
<input type="checkbox"/> CD	Tempest et al., "Reshaping a human monoclonal antibody to inhibit human respiratory syncytial virus infection in vivo," <u>Bio/Technology</u> , 9:26-271 (1991)		
<input type="checkbox"/> CE	Uchiyama et al., "A monoclonal antibody (anti-Tac) reactive with activated and functionally mature human T-cells," <u>J. Immunol.</u> , 126:1393-1397 (1981)		
<input type="checkbox"/> CF	Verhoyen et al., "Reshaping Human Antibodies: Grafting an Antilysozyme Activity," <u>Science</u> , 239:1534-1536 (1988)		
<input type="checkbox"/> CG	Vitteta et al., "Redesigning nature's Poisons to Create Anti-Tumor Reagents," <u>Science</u> , 238:1098-1104 (1987)		
<input type="checkbox"/> CH	Waldmann, T.A., "The Structure, Function, and Expression of Interleukin-2 Receptors on Normal and Malignant Lymphocytes," <u>Science</u> , 232:727-732 (1986)		
<input checked="" type="checkbox"/> CI	Woodle et al., "Humanized OKT3 antibodies: successful transfer of immune modulating properties and idiotype expression," <u>J. Immunol.</u> , 148:2756-2763 (1992)		
EXAMINER	Julie C. Rees, PLD DATE CONSIDERED 27 Oct 97		

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FORM PTO-1449 (Modified)		Attorney Docket No. 011823-002630	Serial No.: 08/484,537
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Queen	
		Filing Date: 6/7/95	Group: 1806
D5	GR	Padlan, Cold Spring Harbor Symposia on Quantitative Biology, XLI(41) (1977), 627-637	
D6	GR	Saul, J. Biol. Chem., 253 (1978), 585-597	
D7	GR	Kabat, J. Immunol., 125 (1980), 961, 969	
D8	GR	Lesk and Chothia, J. Mol. Biol., 136 (1980), 225-270	
D9	GR	Stanford, J. theor. Biol., 88 (1981), 421-439	
D10	GR	Feldman, Mol. Immunol., 18 (1981), 683-698	
D11	GR	Uchiyama, J. Immunol., 126 (1981), 1393-1397	
D12	GR	Lesk and Chothia, J. Mol. Biol., 160 (1982), 325-342	
D13	GR	Davies and Metzger, Ann. Rev. Immunol., 1 (1983), 87-117	
D14	GR	Chothia and Lesk, Nature, 302 (1983), 500-505	
D15	GR	Kabat, Sequences of Proteins of Immunological Interest, US Dept. of Health and Human Services, 1983 Edition	
D16	GR	Boulianne, Nature, 312 (1984), 643-646	
D17	GR	Morrison, Proc. Natl. Acad. Sci., USA, 81 (1984) 6851-6855	
D18		Boss Application (Celltech Ltd.) See AM See Foreign Patent Documents	
D19		Cabilly Application (Genetech/City of Hope) See AT " " " "	
D20	GR	Neuberger, Nature, 314 (1985), 651-663	
D21	GR	Chothia, J. Mol. Biol., 186 (1985), 651-663	
D22	GR	Waldmann, Science, 232 (1986), 727-732	
D22'	GR	Waldmann, Cancer Res., 45 (1985) 4559-4562	
D23	GR	Amit, Science, 233 (1986), 747-753	
D24	GR	Chothia, Science, 233 (1986), 755-758	
D25	GR	Chothia and Lesk, EMBO J. 5 (1986), 823-826	
D26	GR	Jones, Nature, 321 (1986), 522-525	
D27	GR	Kabat, Sequences of Proteins of Immunological Interest, US Dept. of Health and Human Services, 1987 Edition Pg vii → xxvii	
D28	GR	Chothia and Lesk, J. Mol. Biol., 196 (1987), 901-917	
D29	GR	Sheriff, Proc. Natl. Acad. Sci., USA 84 (1987), 8075-8079	
D30		Colman, Nature, 326 (1987), 358-362	
D31	GR	Roberts, Nature, 328 (1987), 731-734	
D32		winter application, See AU See Foreign Patent Documents	

Julie (Reus, PLD)

13 Jan 99

12-13-96

(Attachment to Page #6)

FORM PTO-1449 (Modified)		Attorney Docket No. 11823-002630US		Serial No.: 08/484,537		
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: QUEEN et al.				
		Filing Date: June 7, 1995		Group: 1806		
Reference Designation U.S. PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Name	Class	Sub- class	Filing Date (If Appropriate)
___ AA						
___ AB						
___ AC						
___ AD						
___ AE						
___ AF						
___ AG						
___ AH						
___ AI						
___ AJ						
___ AK						
___ AL						
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub- class	Translation (yes/no)
AM	8928874	12/21/89	Great Britain	—	—	
AN	91/09967	07/11/91	World Origin	—	—	
AO	0460167	12/11/91	Europe	—	—	
___ AP						
___ AQ						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
___ AR	Opposition by Protein Design Labs, Inc. to European Patent No. 0 460 167 of Celltech Therapeutics Limited entitled "Humanised Antibodies".					
___ AS						
___ AT						
EXAMINER	Julie C. Rees, PLD DATE CONSIDERED 29 Oct 97					

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Attachment to Paper #10

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Reference Designation	U.S. PATENT DOCUMENTS
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Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
___ AA						
___ AB						
___ AC						

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (yes/no)
<u>AL</u> AD	0 120 694	10/03/84	Europe	—	—	
___ AE	0 125 023	06/05/91	Europe	—	—	
___ AF	0 323 806	07/12/89	Europe	—	—	
___ AG	0 328 404	08/16/89	Europe	—	—	
___ AH	0 365 209	04/25/90	Europe	—	—	
___ AI	0 365 997	05/02/90	Europe	—	—	
<u>AK</u> AJ	WO 88/09344	12/01/88	WIPO	—	—	
___ AK						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<u>AL</u> AL	Amit et al., Science, <u>233</u> , 747-753 (1986).
___ AM	Cheetham, Protein Engineering, <u>2</u> (3), 170-172 (1988).
___ AN	Chothia et al., J. Mol. Biol., <u>186</u> , 651-663 (1985).
___ AO	Chothia et al., Nature, <u>342</u> , 877-883 (1989).
___ AP	Chothia et al., Science, <u>233</u> , 755-758 (1986).
___ AQ	Chothia and Lesk, EMBO J., <u>5</u> , 823-826 (1986).
___ AR	Colman et al., Nature, <u>326</u> , 358-362 (1987).
___ AS	Davies et al., Ann. Rev. Immunol., <u>1</u> , 87-117 (1983).
___ AT	Davies et al., J. Biol. Chem., <u>263</u> (22), 10541-10544 (1988).
___ AU	Epp et al., Eur. J. Biochem., <u>45</u> , 513-524 (1974).
___ AV	Feldmann et al., Mol. Immunol., <u>18</u> , 683-698 (1981).
___ AW	Kabat, J. Immunol., <u>125</u> , 961-969 (1980).
___ AX	Lesk and Chothia, J. Mol. Biol., <u>160</u> , 325-342 (1982).
___ AY	Padlan, Mol. Immunol., <u>31</u> , 169-217 (1994).
___ AZ	Palm et al., Hoppe Seyler's Z. Physiol. Chem., <u>354</u> (12), 1651-1654 (1973). Abstract.
___ BA	Palm et al., Hoppe Seyler's Z. Physiol. Chem., <u>356</u> , 167-191 (1975). Abstract only.
___ BB	Panka et al., PNAS-USA, <u>85</u> , 3080-3084 (1988).
<u>BC</u> BC	Roberts et al., Nature, <u>328</u> , 731-734 (1987)

Julie Reeves, PhD

27 Oct 97

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		Filing Date: 06/07/95	Group: 1806
<u>92</u> BD	Saul et al., J. Biol. Chem., <u>253</u> (2), 585-597 (1978).		
BE	Sheriff et al., PNAS-USA, <u>84</u> , 8075-8079 (1987).		
BF	Stanford and Wu, J. Theor. Biol., <u>88</u> , 421-439 (1981).		
BG	Tramontano et al., J. Mol. Biol., <u>215</u> , 175-182 (1990).		
BH	Verhoeven et al., BioEssays, <u>8</u> (2), 74-78 (1988).		
BI	Waldmann et al., Cancer Research, <u>45</u> , 4559s-4562s (1985).		
BJ	Wu and Kabat, J. Exp. Med., <u>132</u> , 211-250 (1970).		
BK			
EXAMINER	Julie Reus, RD DATE CONSIDERED 27 Oct 97		

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